



Substitute for form 1449/PTO

(Use as many sheets as necessary)

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Complete if Known

Application Number	10/723,809
Filing Date	11/26/2003
First Named Inventor	Weissbach
Art Unit	1632
Examiner Name	
Attorney Docket Number	6818-66

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

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**Examiner
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Date Considered

03/30/06

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Sheet 1 of 2

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PTO/SB/08B (08-03)

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
YV		Minetti, G., et al., "Reduction of Dabs-L-Methionine-dl Sulfoxide by Protein Methionine Sulfoxide Reductase from Polymorphonuclear Leukocytes: Stereospecificity towards the L-Sulfoxide," Ital. J. Biochem 43, 273-283 (1994)	
YV		Grimaud, R., et al., "Repair of Oxidized Proteins," J. Biol. Chem. 276, 48915-48920 (2001)	
YV		Rahman, M., et al., "High Level Expression and Purification of Peptide Methionine Sulfoxide Reductase in <i>Escherichia Coli</i> ," Cellular & Molecular Biol. 38, 529-542 (1992)	
YV		Etienne, F., et al., "A Methionine Sulfoxide Reductase in <i>Escherichia coli</i> that Reduces the R Enantiomer of Methionine Sulfoxide," Biochem. & Biophys. Res. Comm. 300, 378-382 (2003)	
YV		Spector, D., et al., "New Membrane-associated and Soluble Peptide Methionine Sulfoxide Reductases in <i>Escherichia coli</i> ," Biochem. & Biophys. Res. Comm. 302, 284-289 (2003)	
YV		Kita, Y., et al., "Enantioselective Total Synthesis of a Potent Antitumor Antibiotic, Fredericamycin A," J. Am. Chem. Soc. 123, 3214-3222 (2001)	
YV		Fukuyama, T., et al., "Stereocontrolled Synthesis of (-)-Hapalindole G," J. Am. Soc. 116, 3125-3126 (1994)	
YV		Conte, V., et al., "Asymmetric Oxidation of Thioethers. Enantioselective Synthesis of β -Hydroxysulfoxides by Direct Oxidation," Tetrahedron Lett. 30, 4859-4862 (1989)	
YV		O'Donnell, M., et al., "The Stereoselective Synthesis of α -Amino Acids by Phase-Transfer Catalysis," J. Am. Chem. Soc. 111, 2353-2355 (1989)	
YV		Hartley, A., et al., "Complex I Inhibitors Induce Dose-Dependent Apoptosis in PC12 Cells: Relevance	

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YV		Rosen, D., et al., "Mutations in Cu/Zn Superoxide Dismutase Gene are Associated with Familial Amyotrophic Lateral Sclerosis," <i>Nature</i> 362, 59-62 (1993)	
YV		Weissbach, H., et al., "Peptide Methionine Sulfoxide Reductase: Structure, Mechanism of Action, and Biological Function," <i>Archives of Biochem. & Biophys.</i> vol. 397, no. 2, 172-178 (2002)	
YV		Moskovitz, J., et al., "Methionine Sulfoxide Reductase (MsrA) is a Regulator of Antioxidant Defense and Lifespan in Mammals," <i>PNAS</i> , vol. 98, no. 23, 12920-12925 (2001)	
YV		Ruan, H., et al., "High-quality Life Extension by the Enzyme Peptide Methionine Sulfoxide Reductase," <i>PNAS</i> , vol. 99, no. 5, 2748-2753 (2002)	
YV		Ejiri, S., et al., "The Purification of Methionine Sulfoxide Reductase from <i>Escherichia coli</i> ," <i>Anal. Biochem.</i> 102, 393-398 (1980)	
YV		Brot, N., et al., "Reduction of <i>N</i> -Acetyl Methionine Sulfoxide: A Simple Assay for Peptide Methionine Sulfoxide Reductase," <i>Anal. Biochem.</i> , 122, 291-294 (1982)	
YV		Moskovitz, J., et al., "Cloning and Expression of a Mammalian Gene Involved in the Reduction of Methionine Sulfoxide Residues in Proteins," <i>Proc. Natl. Acad. Sci.</i> , 93, 2095-2099 (1996)	

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